PEER-REVIEWED PUBLICATIONS

Citation Metrics

World Top 2% Scientists (2019-2024) (Earth & Environmental Science) (Stanford University-Elsevier-SciTech Strategies)

As of 2025.09.14., by Web of Science, total citations: 15,542, h-index = 73

As of 2025.09.14., by Google Scholar, total citations: 20,636, h-index = 83, i10-index = 220

- Corresponding authors are **underlined** and marked with *;
- *** in the 1st column denotes corresponding author paper by J. Z. Yu**

Seq#	Authors |Title	Source
	2025	
#274	**Huang, R.***, Li, Y., Chen, Q., Zhang, Y., Llin, C., Chan, C. K., **Yu, J. Z.**, de Gouw, J., Tong, S., Jiang, J., Wang, W., Ding, X., Wang, X., Ge, M., Zhou, W., Worsnop, D., Boy, M., Bilde, M., Dusek, U., Carlton, A. G., Hoffmann, T., McNeill, V. F., Glasius, M. Secondary Organic Aerosol in Urban China: A Distinct Chemical Regime for Air Pollution Studies	Science **2025**, 389, eadq2840. https://doi.org/10.1126/science.adq2840
#273 *	Liu, J., Jiang, F., Wang, Q., **Zhang G.***, Li, J., Chen, W., Ding, P., Zhu, S., Cheng, Z., Zhang, X., Sha, Q., Huang, Z., Yuan, X., **Zheng, J.***, Zhang, Y., Yan, C., Tian, C., Chen, Y., **Yu, J. Z.***, **Gustafsson, Ö.*** Substantial Reductions in Black Carbon from both Fossil Fuels and Biomass Burning during China's Clean Air Action	PNAS **2025**, 122, e2500843122 https://doi.org/10.1073/pnas.2500843122
#272 *	Zhu, S., Zhang, J., Li, L., Zhou, M., Qiao, L., Wang, H., Huang, D. D., Wang, Q., Jing S., Wu, Y., Wang, S., Chen, C., **Ying, Q.***, **Yu, J. Z.*** Aerosol Uptake Coefficients of Isoprene Epoxides: Determination and Parameter Estimation from Online Field Measurements of Organic Molecular Markers	Environ. Sci. Technol. **2025**, 59, 18249-18258. https://doi.org/10.1021/acs.est.5c09046
#271 *	Yu, X., Zhou, M., Zhu, S., Qiao, L., Li, J., Ma, Y., Zhang, Z., Liao, K., Wang, H., **Yu, J. Z.*** Significant Secondary Formation of Nitrogenous Organic Aerosols in an Urban Atmosphere Revealed by Bihourly Measurements of Bulk Organic Nitrogen and Comprehensive Molecular Markers	Atmos. Chem. Phys. **2025**, 25, 9061-9074. https://doi.org/10.5194/acp-25-9061-2025
#270 *	Wang, S., Wang, Q., Chen, H., Cheng, Y. Y., Zhang, Z., Li, J., Liao, K., Feng, X., Zheng, P., Wang, Z., Gu, D., **Yu, J. Z.*** Informing City-Scale Air Pollution Episodes Using Hourly Time-Scale Measurements of $PM_{2.5}$ Molecular and Elemental Tracers at an Air Quality Research Supersite in Hong Kong	ACS ES&T Air **2025**, 2, 1962-1971. https://doi.org/10.1021/acsestair.5c00170
#269 *	Lin, M., Feng, Y., He, X., Kuang, B., Huang, X. H. H., Liang, Y., **Yu, J. Z.*** Identification and Semi-Quantification of Alkylated Polycyclic Aromatic Hydrocarbons in $PM_{2.5}$ Filter Samples using in-Injection Port Thermal Desorption coupled with Two-Dimensional Gas Chromatography and Rapid-scanning Quadrupole Mass Spectrometry (TD-GC×GC-qMS)	Atmos. Pollut. Res. **2025**, 16, 102669. https://doi.org/10.1016/j.apr.2025.102669
#268 *	He, X., Huang, X. H. H., Chow, K. S., **Yu, J. Z.*** Tracking Secondary Organic Aerosol Formation with Molecular Tracers: Contributions from Biogenic and Anthropogenic Precursors	Atmos. Environ. **2025**, 360, 121410. https://doi.org/10.1016/j.atmosenv.2025.121410
#267	Chen, Y., Xia, M., Zheng, P., Li, Y., Zou, Z., Tong, S., Li, K., Feng, X., Hui, L., Yuan, Q., Li, J., **Yu, J. Z.**, Lee, S. C., Wang, T., **Wang, Z.*** Complex Gas-particle Partitioning of Nitro-Phenolic Compounds: Field-based Insights and Determination of Apparent Activity Coefficient	NPJ Clim. Atmos. Sci. **2025**, 8, 266. https://doi.org/10.1038/s41612-025-01156-z

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#266	Au, C. K., Chin, M. L., Luk, W. L., Wong, K. W., Che, L. Y., Yuan, B., Ilić, G., Chan, H. W., **Yu, J. Z.**, **Pavlović, N. M.***, Cai, Z., **Chan, W.*** Analysis of Honey and Environmental Samples from BEN Endemic Villages in Serbia: Identification of a Novel Human Exposure Pathway for Aristolochic Acids and Aristolactams	J. Agric. Food Chem. **2025**, 73, 16293-16300. https://doi.org/10.1021/acs.jafc.5c06473
#265 *	Liang, S., Wang, Y., Chen, H., Chan, W., **Yu, J. Z.*** Accurate Quantification of Multifunctional C_{2-3} Organosulfates in Atmospheric Aerosols Using Liquid Chromatography-Electrospray Ionization Mass Spectrometry: Overcoming Matrix Effects and Underestimation	Environ. Sci. Technol. **2025**, 59, 10812-12821. https://doi.org/10.1021/acs.est.5c01846
#264	Yang, Q., Xie, J., Zhang, L., **Yu, J. Z.**, Wang, Y., **Li, X.*** Traffic-related $PM_{2.5}$ Pollution in Hong Kong: Component-Specific and Source-Resolved Health Risks and Cytotoxicity	Environ. Pollu. **2025**, 380, 126525. https://doi.org/10.1016/j.envpol.2025.126525
#263	Tse, H. T., **Yu, J. Z.**, Cai, Z., **Chan, W.*** Disposable Face Masks for Noninvasive Drug Detection: A Proof-of-Concept Study with Cough Syrup Constituents	Anal. Chem. **2025**, 97, 10424-10432. https://doi.org/10.1021/acs.analchem.5c01129
#262	Zhang, Y., Han, R., Wu, G., Wang, X., **Li, L.***, Li, M., Zhou, Z., **Yu, J. Z.**, **Zhou, Y.*** Improved Method for Estimating Chlorine Depletion in Sea Salt Aerosols using Single Particle Aerosol Mass Spectrometer	Atmos. Environ. **2025**, 353, 121243. https://doi.org/10.1016/j.atmosenv.2025.121243
#261 *	Wang, Q., Wang, S., Chen, H., Zhang, Z., Yu, H., Chan, M. N., **Yu, J. Z.*** Ambient Measurements of Daytime Decay Rates of Levoglucosan, Mannosan, and Galactosan	J. Geophys. Res. Atmospheres **2025**, e2024JD042423 https://doi.org/10.1029/2024JD042423
#260	Xu, Y., Zheng, P., Feng, X., Sun, H., Sun, M., Hui, L., Chen, Y., Chen, Y., Gu, D., Ning, Z., **Yu, J. Z.**, **Wang, Z.*** Characterizing Sources and Health Risks of Airborne Carbonyl Compounds in a Subtropical Coastal Atmosphere in South China	Environ. Pollut. **2025**, 368, 125776. https://doi.org/10.1016/j.envpol.2025.125776
#259 *	Li, Y., **Fu, T. M.***, **Yu, J. Z.***, Zhang, A., Yu, X., Ye, J., Zhu, L., Shen, H., Wang, C., Yang, X., Tao, S., Chen, Q., Li, Y., Li, L., Che, H., Heald, C. L. Nitrogen Dominates Global Atmospheric Organic Aerosol Absorption	Science **2025**, 387, 989-995. https://doi.org/10.1126/science.adr4473
#258	Cao, X., **Gu, D.***, Sun, H., Leung, K. F., Mai, Y., Li, X., Chan, W. M., Mak, S. K., Liang, Z., Zhang, W., Zhang, Y., Huang, S., Yuan, B., Shao, M., **Yu, J. Z.**, Lau, A. K. H. Intra-Urban Comparison of Hazardous VOCs in Hong Kong: Source Apportionment and Integrated Risk Assessment	Sustain. Cities Sco. **2025**, 120, 106148. https://doi.org/10.1016/j.scs.2025.106148
#257 *	Chen, H., **Yu, J. Z.*** An Online Instrument for Assessing Oxidative Potential of Ambient Particulate Matter via Dithiothreitol Assay, using Particle-Into-LIquid Sampler (PILS) coupled with Improved Light Absorption Measurement	Atmos. Environ. **2025**, 343, 120980. https://doi.org/10.1016/j.atmosenv.2024.120980
#256 *	**Lin, C.***, **Yu, J. Z.***, Lee, E., Chan, P. W., Ng, J. W. Y., Chan, Y. W., Zhang, T., Chen, Y., Chen, H., Zhang, Z., Chui, S. H. K., Fung, J. C. H., Liu, W., **Lau, A. K. H.*** Mysterious Air Pollution in South China linked to Volcanic Emissions from the Philippines	Commun. Earth Environ. **2025**, 6, 86. https://doi.org/10.1038/s43247-025-02073-y

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#255	**Lo, H. W.***, Yu, X., Chen, H., Chu, W. C., Chung, N. M., Lau, S. W., Li, J., Liang, S., Liao, K., Thomas, H. C. J., Wang, Z., Zhang, Z., **Yu, J. Z.**, **Thibodeau, B.*** Tidal Currents and Atmospheric Inorganic Nitrogen Contribute to Diurnal Variation of Dissolved Nutrients and Chlorophyll a Concentrations in Mirs Bay, Hong Kong	Reg. Stud. Mar. Sci. **2025**, 81, 103941. https://doi.org/10.1016/j.rsma.2024.103941
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#254 *	Wang, Q., Wang, S., Zhu, S., Meng, S., Yu, H., **Yu, J. Z.*** Exploring the Effect of Environmental Conditions on Decay Kinetics of Aerosol Unsaturated Fatty Acids: New Insights Gained from Long-Term Ambient Measurements	Environ. Sci. Technol. **2024**, 58, 22322-22331. https://doi.org/10.1021/acs.est.4c09808
#253	Ham, Y. H., Cheng, J., Nagl, S., **Yu, J. Z.**, Cai, Z., **Chan, W.*** Surgical Face Mask as an Air Sampling Device for Assessing Personal Exposure to Airborne Antimicrobial Resistance Gene-Bearing Bacteria	Anal. Chem. **2024**, 96, 17021-17026. https://doi.org/10.1021/acs.analchem.4c04703
#252	Zhou, L., Liu, Q., Salvador, C. M., Le Breton, M., Hallquist, M., **Yu, J. Z.**, **Chak K. Chan***, **Hallquist, Å. M***. Online Characterization of Primary and Secondary Emissions of Particulate Matter and Acidic Molecules from a Modern Fleet of City Buses	Atmos. Chem. Phys. **2024**, 24, 11045-11061. https://doi.org/10.5194/acp-24-11045-2024
#251	Yi, Y., Li, R., **Zhang, K.***, Yang, X., Li, Q., Geng, C., Chen, H., Yang, W., **Yu, J. Z.**, **Li, L.*** Insights Into the Influence of Anthropogenic Emissions on the Formation of Secondary Organic Aerosols Based on Online Measurements	J. Geophys. Res. Atmospheres **2024**, e2024JD041479 https://doi.org/10.1029/2024JD041479
#250 *	Liao, K., Cheng, Y. Y., Yea, S. S., Chen, L. W. A., Seinfeld, J. H., **Yu, J. Z.*** New Analytical Paradigm to Determine Concentration of Brown Carbon and Its Sample-by-Sample Mass Absorption Efficiency	Environ. Sci. Technol. **2024**, 58, 17386-17395. https://doi.org/10.1021/acs.est.4c06831
#249	Pan, G., Au, C. K., Ham, Y. H., **Yu, J. Z.**, Cai, Z., **Chan, W.*** Urinary Thioproline and Thioprolinyl Glycine as Specific Biomarkers of Formaldehyde Exposure in Humans	Environ. Sci. Technol. **2024**, 58, 16368-16375. https://doi.org/10.1021/acs.est.4c06921
#248	Yang, T., **Xu, Y.***, Ma, Y. J., Wang, Y. C., **Yu, J. Z.**, Sun, Q. B., Xiao, H. W., Xiao, H. Y., Liu, C. Q. Field Evidence for Constraints of Nearly Dry and Weakly Acidic Aerosol Conditions on the Formation of Organosulfates	Environ. Sci. Technol. Lett. **2024**, 11, 981-987. https://doi.org/10.1021/acs.estlett.4c00522
#247	Guo, W., Kwok, H. C., Griffith, S. M., Nagl, S., Milovanović, D., Pavlović, M., Pavlović, N. M., **Yu, J. Z.**, Dedon, P. C., **Chan, W.*** Combustion-Derived Pollutants Linked with Kidney Disease in Low-Lying Flood-Affected Areas in the Balkans	Environ. Sci. Technol. **2024**, 58, 11301-11308. https://doi.org/10.1021/acs.est.4c02848
#246 *	Zhang, Y., Han, R., Sun, X., Sun, C., Griffith S. M., Wu, G., Li, L., Li, W., Zhao, Y., Li, M., Zhou, Z., Wang, W., Sheng, L., **Yu, J. Z.***, **Zhou, Y.*** Sulfate Formation Driven by Wintertime Fog Processing and a Hydroxymethanesulfonate Complex with Iron: Observations from Single-Particle Measurements in Hong Kong	J. Geophys. Res. Atmospheres **2024**, 129, e2023JD040512. https://doi.org/10.1029/2023JD040512
#245 *	Wong, Y. K., Chan, W. W., Gu, D., **Yu, J. Z.***, **Lau, A. K. H.*** Tracking Source Variations of Inhalation Cancer Risks in Hong Kong, China over Two Decades (2000–2020) Using Toxic Air Pollutant Monitoring Data	Environ. Health **2024**, 2(6), 411-421. https://doi.org/10.1021/envhealth.3c00209

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#244 *	Wang, S., Liao, K., Zhang, Z., Cheng, Y. Y., Wang, Q. Q., Chen, H., **Yu, J. Z.*** Bayesian Inference-Based Estimation of Hourly Primary and Secondary Organic Carbon at Suburban Hong Kong: Multi-temporal Scale Variations and Evolution Characteristics during $PM_{2.5}$ Episodes	Atmos. Chem. Phys. **2024**, 24, 5803-5821. https://doi.org/10.5194/acp-24-5803-2024
#243 *	Yu, X., Li, Q., Liao, K., Li, Y., Wang, X., Zhou, Y., Liang, Y., **Yu, J. Z.*** New Measurements Reveal a Large Contribution of Nitrogenous Molecules to Ambient Organic Aerosol	NPJ Clim. Atmos. Sci. **2024**, 7, 72. https://doi.org/10.1038/s41612-024-00620-6
#242	Song, Y., Zhang, Y., Zhu, L., Chen, Y., Chen, Y. J., Zhu, Z., Feng, J., Qi, Z., **Yu, J. Z.**, Zhu, Y., **Cai, Z.*** Phosphocholine-induced Energy Source Shift Alleviates Mitochondrial Dysfunction in Lung Cells Caused by Geospecific $PM_{2.5}$ Components	PNAS **2024**, 121, e2317574121. https://doi.org/10.1073/pnas.2317574121
#241	Yang, Y., Sun, M., Wu, G., Qi, Y., Zhu, W., Zhao, Y., Zhu, Y., Li, W., Zhang, Y., Wang, N., Sheng, L., Wang, W., Yu, X., **Yu, J. Z.**, Yao, X., **Zhou, Y.*** Characteristics of Aerosol Aminiums over a Coastal City in North China: Insights from the Divergent Impacts of Marine and Terrestrial Influences	Sci. Tot. Environ. **2024**, 918, 170672. https://doi.org/10.1016/j.scitotenv.2024.170672
#240	Sun, H., **Gu, D.***, Feng, X., Wang, Z., Cao, X., Sun, M., Ning, Z., Zheng, P., Mai, Y., Xu, Z., Chan, W. M., Li, X., Zhang, W., Lee, H. W., Leung, K. F., **Yu, J. Z.**, Lee, E., Louie, P. K. K., Leung, K. Cruise Observation of Ambient Volatile Organic Compounds over Hong Kong Coastal Water	Atmos. Environ. **2024**, 323, 120387. https://doi.org/10.1016/j.atmosenv.2024.120387
#239 *	He, X., Huang, X. H. H., Ma, Y., Huang, C., **Yu, J. Z.*** Unambiguous Analysis and Systematic Mapping of Oxygenated Aromatic Compounds in Atmospheric Aerosols Using Ultrahigh-Resolution Mass Spectrometry	Anal. Chem. **2024**, 96(5), 1880-1889. https://doi.org/10.1021/acs.analchem.3c03760
#238 *	Wang, Q., Zhu, S., Wang, S., Huang, C., Duan, Y., **Yu, J. Z.*** Short-term Source Apportionment of Fine Particulate Matter with Time-dependent Profiles using SoFi Pro: Exploring the Reliability of Rolling Positive Matrix Factorization (PMF) Applied to Bihourly Molecular and Elemental Tracer Data	Atmos. Chem. Phys. **2024**, 24, 475-486. https://doi.org/10.5194/acp-24-475-2024
#237	Yu, P., Feng, X., **Feng, Y.***, Li, L., Chen, Y., **Yu, J. Z.** Optimization of Two-stage Thermal Desorption Combined with Pentafluorophenyl Yydrazine Derivatization-Gas Chromatography/Mass Spectrometry Analytical Method of Atmospheric Carbonyl Compounds	Microchem J. **2024**, 197, 109794. https://doi.org/10.1016/j.microc.2023.109794
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#236	Xu, Y., Hui, L., Zheng, P., Liu, G., **Yu, J. Z.**, **Wang, Z.*** Monitoring Techniques of Airborne Carbonyl Compounds: Principles, Performance and Challenges	TrAC, Trends Anal. Chem. **2023**, 169, 117395. https://doi.org/10.1016/j.trac.2023.117395
#235	Feng, X., Guo, J., **Wang, Z.***, Gu, D., Ho, K. F., Chen, Y., Liao, K., Cheung, V. T. F., Louie, P. K. K., Leung, K. K. M., **Yu, J. Z.**, Fung, J. C. H., Lau, A. K. H. Investigation of the Multi-Year Trend of Surface Ozone and Ozone-Precursor Relationship in Hong Kong	Atmos. Environ. **2023**, 315, 120139. https://doi.org/10.1016/j.atmosenv.2023.120139
#234	**Li, Z.***, Yim, S. H. L., He, X., Xia, X., Ho, K. F., **Yu, J. Z.** High Spatial Resolution Estimates of Major PM2.5 Components and Their Associated Health Risks in Hong Kong using a Coupled Land Use Regression and Health Risk Assessment Approach	Sci. Tot. Environ. **2023**, 907, 167932. https://doi.org/10.1016/j.scitotenv.2023.167932
#233 *	Wong, Y., Chan, W. W., Gu, D., Wong, T. W., Chan, K. J. D., **Yu, J. Z.***, **Lau, A. K. H.*** Characterization of Toxic Air Pollutants in Hong Kong, China: Two-decadal Trends and Health Risk Assessments	Atmos. Environ. **2023**, 314, 120129. https://doi.org/10.1016/j.atmosenv.2023.120129

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#232	Yang, T., **Xu, Y.***, Ye, Q., Ma, Y., Wang, Y., **Yu, J. Z.**, Duan, Y., Li, C., Xiao, H., Li, Z., **Zhao, Y.***, **Xiao, H.***	Atmos. Chem. Phys.
	Spatial and Diurnal Variations of Aerosol Organosulfates in Summertime Shanghai, China: Potential Influence of Photochemical Processes and Anthropogenic Sulfate Pollution	**2023**, 23, 13433-13450. https://doi.org/10.5194/acp-23-13433-2023
#231 *	Yu, X., Zhou, M., Li, J., Qiao, L., Lou, S., Han, W., Zhang, Z., Huang, C., **Yu, J. Z.***	J. Geophys. Res. Atmospheres
	First Online Observation of Aerosol Total Organic Nitrogen at an Urban Site: Insights Into the Emission Sources and Formation Pathways of Nitrogenous Organic Aerosols	**2023**, 128, e2023JD038921. https://doi.org/10.1029/2023JD038921
#230	Huang, L., Wang, Y., **Zhao, Y.***, Hu, H., Yang, Y., Wang, Y., **Yu, J. Z.**, Chen, T., Cheng, Z., Li, C., Li, Z., Xiao, H.	J. Geophys. Res. Atmospheres
	Biogenic and Anthropogenic Contributions to Atmospheric Organosulfates in a Typical Megacity in Eastern China	**2023**, 128, e2023JD038848. https://doi.org/10.1029/2023JD038848
#229 *	Li, Y., **Fu, T. M.***, **Yu, J. Z.***, Yu, X., Chen, Q., Miao, R., Zhou, Y., Zhang, A., Ye, J., Yang, X., Tao, S., Liu, Ho, Yao, W.	Natl. Sci. Rev.
	Dissecting the Contributions of Organic Nitrogen Aerosols to Global Atmospheric Nitrogen Deposition and Implications for Ecosystems	**2023**, 10(12), nwad244. https://doi.org/10.1093/nsr/nwad244
#228 *	Wang, Y., Liang, S., Le Breton, M., Wang, Q., Liu, Q., Ho, C. H., Kuang, B., Wu, C., Hallquist, M., Tong, R., **Yu, J. Z.***	Sci. Tot. Environ.
	Field Observations of C_2 and C_3 Organosulfates and Insights into Their Formation Mechanisms at a Suburban Site in Hong Kong	**2023**, 904, 166851. https://doi.org/10.1016/j.scitotenv.2023.166851
#227 *	Yu, X., Wong, Y., **Yu, J. Z.***	Sci. Tot. Environ.
	Abundance and Sources of Organic Nitrogen in Fine ($PM_{2.5}$) and Coarse ($PM_{2.5–10}$) Particulate Matter in Urban Hong Kong	**2023**, 901, 165880. https://doi.org/10.1016/j.scitotenv.2023.165880
#226	Lai, D., Wong, Y., Xu, R., Xing, S., Ng, S. I. M., Kong, L., **Yu, J. Z.**, **Huang, D. D.***, **Chan, M. N.***	Environ. Sci. Technol. Lett.
	Significant Conversion of Organic Sulfur from Hydroxymethanesulfonate to Inorganic Sulfate and Peroxydisulfate Ions upon Heterogeneous OH Oxidation	**2023**, 10(9), 773-778. https://doi.org/10.1021/acs.estlett.3c00472
#225	Wang, Y., Zhang, Y., Li, W., Wu, G., Qi, Y., Li, S., Zhu, W., **Yu, J. Z.**, Yu, X., Zhang, H., Sun, J., Wang, W., Sheng, L., Yao, X., Gao, H., Huang, C., **Ma, Y.***, **Zhou, Y.***	Environ. Sci. Technol.
	Important Roles and Formation of Atmospheric Organosulfates in Marine Organic Aerosols: Influence of Phytoplankton Emissions and Anthropogenic Pollutants	**2023**, 57(28), 10284-10294. https://doi.org/10.1021/acs.est.3c01422
#224 *	Li, J., Ho, S. C. H., Griffith, S. M.*, Huang, Y., Cheung, R. K. Y., Hallquist, M., Hallquist, Å. M., Louie, P. K. K., Fung, J. C. H., Lau, A. K. H., **Yu, J. Z.***	Sci. Tot. Environ.
	Concurrent Measurements of Nitrate at Urban and Suburban Sites Identify Local Nitrate Formation as a Driver for Urban Episodic $PM_{2.5}$ Pollution	**2023**, 897, 165351. https://doi.org/10.1016/j.scitotenv.2023.165351
#223	Xu, Y., Feng, X., Chen, Y., Zheng, P., Hui, L., Chen, Y., **Yu, J. Z.**, **Wang, Z.***	Sci. Tot. Environ.
	Development of an Enhanced Method for Atmospheric Carbonyls and Characterizing Their Roles in Photochemistry in Subtropical Hong Kong	**2023**, 896, 165135. https://doi.org/10.1016/j.scitotenv.2023.165135
#222 *	Zhu, S., Zhou, M., Qiao, L., Huang, D. D., Wang, Q., Wang, S., Gao, Q., Jing, S., Wang, Q., Wang, H., Chen, C., **Huang, C.***, **Yu, J. Z.***	Atmos. Chem. Phys.
	Evolution and Chemical Characteristics of Organic Aerosols during Wintertime $PM_{2.5}$ Episodes in Shanghai, China: Insights Gained from Online Measurements of Organic Molecular Markers	**2023**, 23, 7551-7568. https://doi.org/10.5194/acp-23-7551-2023

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#221	Guo, W., **Yu, J. Z.**, **Chan, W.***	Chem. Res. Toxicol.
	Face Mask as a Versatile Sampling Device for the Assessment of Personal Exposure to 54 Toxic Compounds in Environmental Tobacco Smoke	**2023**, 36(7), 1140-1150. https://doi.org/10.1021/acs.chemrestox.3c00114
#220 *	Zhang, J., Liu, J., Ding, X., He, X., Zhang, T., Zheng, M., Choi, M., Issacman-VanWertz, G., Yee, L., Zhang, H., Misztal, P., Goldstein, A. H., Guenther, A. B., Budisulistiorini, S. H., Surratt, J. D., Stone, E. A., Shrivastava, M., Wu, D., **Yu, J. Z.***, **Ying, Q.***	NPJ Clim. Atmos. Sci.
	New Formation and Fate of Isoprene SOA Markers Revealed by Field Data-Constrained Modeling	**2023**, 6, 69. https://doi.org/10.1038/s41612-023-00394-3
#219 *	Liao, K., Zhang, J., Chen, Y., Lu, X., Fung, J. C. H., **Ying, Q.***, **Yu, J. Z.***	NPJ Clim. Atmos. Sci.
	Regional Source Apportionment of Trace Metals in Fine Particulate Matter using an Observation-Constrained Hybrid Model	**2023**, 6, 65. https://doi.org/10.1038/s41612-023-00393-4
#218	Wang, Y., Zhang, Z., Chow, W. S., Wang, Z., **Yu, J. Z.**, Fung, J. C. H., **Shi, X.***	J. Geophys. Res. Atmospheres
	Investigating the Effect of Aerosol Uncertainty on Convective Precipitation Forecasting in South China's Coastal Area	**2023**, 128, e2023JD038694. https://doi.org/10.1029/2023JD038694
#217	Li, R., Zhang, K., Li, Q., Yang, L., Wang, S., Liu, Z., Zhang, X., Chen, H., Yi, Y., Feng, J., Wang, Q., Huang, L., Wang, W., Wang, Y., **Yu, J. Z.**, **Li, L.***	Atmos. Chem. Phys.
	Characteristics and Degradation of Organic Aerosols from Cooking Sources based on Hourly Observation of Organic Molecular Markers in Urban Environment	**2023**, 23, 3065-3081. https://doi.org/10.5194/acp-23-3065-2023
#216	Li, Q., Zhang, K., Li, R., Yang, L., Yi, Y., Liu, Z., Zhang, X., Feng, J., Wang, Q., Wang, W., Huang, L., Wang, Y., Wang, S., Chen, H., Chan, A., Latif, M. T., Ooi, M. C. G., Manomaiphiboon, K., **Yu, J. Z.**, **Li, L.***	Sci. Tot. Environ.
	Underestimation of Biomass Burning Contribution to $PM_{2.5}$ due to its Chemical Degradation based on Hourly Measurements of Organic Tracers: A Case Study in the Yangtze River Delta (YRD) Region	**2023**, 872, 162071. https://doi.org/10.1016/j.scitotenv.2023.162071
#215	Li, T., Mao, H., Wang, Z., **Yu, J. Z.**, Li, S., Nie, X., Herrmann, H., **Wang, Y.***	Environ. Sci. Technol.
	Field Evidence for Asian Outflow and Fast Depletion of Total Gaseous Mercury in the Polluted Coastal Atmosphere	**2023**, 57(10), 4101-4112. https://doi.org/10.1021/acs.est.2c07551
#214	Zhang, Y., Li, W., Li, L., Li, M., Zhou, Z., **Yu, J. Z.**, **Zhou, Y.***	J. Environ. Sci.
	Source Apportionment of $PM_{2.5}$ using PMF Combined Online Bulk and Single-particle Measurements: Contribution of Fireworks and Biomass Burning	**2023**, 136, 325-336. https://doi.org/10.1016/j.jes.2022.12.019
#213 *	Liao, K., Wang, Q., Wang, S., **Yu, J. Z.***	Environ. Sci. Technol.
	Bayesian Inference Approach to Quantify Primary and Secondary Organic Carbon in Fine Particulate Matter Using Major Species Measurements	**2023**, 57(13), 5169-5179. https://doi.org/10.1021/acs.est.2c09412
#212	Tian, L., **Huang, D. D.***, Wang, Q., Zhu, S., Wang, Q., Yan, C., Nie, W., Wang, Z., Qiao, L., Liu, Y., Qiao, X., Guo, Y., Zheng, P., Jing, S., Lou, S., Wang, H., **Yu, J. Z.**, Huang, C., **Li, Y. J.***	ACS Earth Space Chem.
	Underestimated Contribution of Heavy Aromatics to Secondary Organic Aerosol Revealed by Comparative Assessments Using New and Traditional Methods	**2023**, 7(1), 110-119. https://doi.org/10.1021/acsearthspacechem.2c00252
#211 *	Li, T., Chen, H., Fung, J. C. H., Chan, D. H. L., Yu, A. L. C., Leung, K. K. M., **Yu, J. Z.***	Atmos. Environ.
	Large Presence of Bromine and Toxic Metals in Ambient Fine Particles from Urban Fires	**2023**, 295, 119554. https://doi.org/10.1016/j.atmosenv.2022.119554

Seq#	Authors |Title	Source
	2022	
#210	Zeng, L., **Huang, D. D.***, Zhu, S., Li, F., Zhou, M., Qiao, L., Wang, Q., Wang, Q., Ma, Y., Lou, S., Shi, H., Hoi, K. I., Mok, K. M., Ge, X., Wang, H., **Yu, J. Z.**, Huang, C., **Li, Y. J.*** The Interplays among Meteorology, Source, and Chemistry in High Particulate Matter Pollution Episodes in Urban Shanghai, China	Sci. Tot. Environ. **2022**, 853, 158347. https://doi.org/10.1016/j.scitotenv.2022.158347
#209	Yi, Y., Li, Q., Zhang, K., Li, R., Yang, L., Liu, Z., Zhang, X., Wang, S., Wang, Y., Chen, H., Huang, L., **Yu, J. Z.**, **Li, L.*** Highly Time-Resolved Measurements of Elements in $PM_{2.5}$ in Changzhou, China: Temporal Variation, Source Identification and Health Risks	Sci. Tot. Environ. **2022**, 853, 158450. https://doi.org/10.1016/j.scitotenv.2022.158450
#208	Wang, N., Zhang, Y., Li, L., Wang, H., Zhao, Y., Wu, G., Li, M., Zhou, Z., Wang, X., **Yu, J. Z.**, **Zhou, Y.*** Ambient Particle Characteristics by Single Particle Aerosol Mass Spectrometry at a Coastal Site in Hong Kong: a Case Study Affected by the Sea-Land Breeze	PeerJ **2022**, 10, e14116. https://doi.org/10.7717/peerj.14116
#207	Sun, Z., Guo, W., Chan, C., Jin, L., Griffith, S. M., **Yu, J. Z.**, **Chan, W.*** Polyurethane Foam Face Masks as a Dosimeter for Quantifying Personal Exposure to Airborne Volatile and Semi-Volatile Organic Compounds	Chem. Res. Toxicol. **2022**, 35(9), 1604-1613. https://doi.org/10.1021/acs.chemrestox.2c00205
#206 *	Chow, W. S., Liao, K., Huang, X. H. H., Leung, K. F., Lau, A. K. H., **Yu, J. Z.*** Measurement Report: Ten-year Trend of $PM_{2.5}$ Major Components and Source Tracers from 2008 to 2017 in an Urban Site of Hong Kong, China	Atmos. Chem. Phys. **2022**, 22, 11557-11577. https://doi.org/10.5194/acp-22-11557-2022
#205 *	Wang, Q., Wang, S., Cheng, Y. Y., Chen, H., Zhang, Z., Li, J., Gu, D., Wang, Z., **Yu, J. Z.*** Chemical Evolution of Secondary Organic Aerosol Tracers during High-$PM_{2.5}$ Episodes at a Suburban Site in Hong Kong over 4 Months of Continuous Measurement	Atmos. Chem. Phys. **2022**, 22, 11239-11253. https://doi.org/10.5194/acp-22-11239-2022
#204 *	Wang, S., Wang, Q., Zhu, S., Zhou, M., Qiao, L., Huang, D., Ma, Y., Lu, Y., Huang, C., Fu, Q., Duan, Y., **Yu, J. Z.*** Hourly Organic Tracers-based Source Apportionment of $PM_{2.5}$ before and during the Covid-19 Lockdown in Suburban Shanghai, China: Insights into Regional Transport Influences and Response to Urban Emission Reductions	Atmos. Environ. **2022**, 289, 119308. https://doi.org/10.1016/j.atmosenv.2022.119308
#203	Ng, S. I. M., Ng, K. H., Yeung, P. W. F., Xu, R., So, P., Huang, Y., **Yu, J. Z.**, Choi, C. K. K., Tse, Y. L. S., **Chan, M. N.*** Chemical Transformation of a Long-Chain Alkyl Organosulfate via Heterogeneous OH Oxidation: A Case Study of Sodium Dodecyl Sulfate	Environ. Sci. Atmos. **2022**, 2, 1060-1075. https://doi.org/10.1039/D2EA00026A
#202	Xu, R., Ng, S. I. M., Chow, W. S., Wong, Y. K., Wang, Y., Lai, D., Yao, Z., So, P. K., **Yu, J. Z.**, **Chan, M. N.*** Chemical Transformation of α-Pinene derived Organosulfate via Heterogeneous OH Oxidation: Implications for Sources and Environmental Fates of Atmospheric Organosulfates	Atmos. Chem. Phys. **2022**, 22, 5685-5700. https://doi.org/10.5194/acp-22-5685-2022
#201	Wang, Y., Huang, W., Tian, L., Wang, Y., Li, F., Huang, D. D., Zhang, R., Mabato, B. R. G., Huang, R. J., Chen, Q., Ge, X., Du, L., Ma, Y. G., Gen, M., Hoi, K. I., Mok, K. M., **Yu, J. Z.**, Chan, C. K., Li, X., **Li, Y. J.*** Decay Kinetics and Absorption Changes of Methoxyphenols and Nitrophenols during Nitrate-Mediated Aqueous Photochemical Oxidation at 254 and 313 nm	ACS Earth Space Chem. **2022**, 6(4), 1115-1125. https://doi.org/10.1021/acsearthspacechem.2c00021
#200 *	Wong, Y. K., Liu, K. M., Yeung, C., Leung, K. K. M., **Yu, J. Z.*** Measurement Report: Characterization and Source Apportionment of Coarse Particulate Matter in Hong Kong: Insights into the Constituents of Unidentified Mass and Source Origins in a Coastal City in Southern China	Atmos. Chem. Phys. **2022**, 22, 5017-2031. https://doi.org/10.5194/acp-22-5017-2022

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#199 *	Chow, W. S., Huang, X. H. H., Leung, K. F., Huang, L., Wu, X., **Yu, J. Z.*** Molecular and Elemental Marker-based Source Apportionment of Fine Particulate Matter at Six Sites in Hong Kong, China	Sci. Tot. Environ. **2022**, 813, 152652. https://doi.org/10.1016/j.scitotenv.2021.152652
#198 *	Li, J., Yu, X., Li, Q., Wang, S., Cheng, Y. Y., **Yu, J. Z.*** Online Measurement of Aerosol Inorganic and Organic Nitrogen based on Thermal Evolution and Chemiluminescent Detection	Atmos. Environ. **2022**, 271, 118905. https://doi.org/10.1016/j.atmosenv.2021.118905
#197	Zhang, J., He, X., Ding, X., **Yu, J. Z.**, **Qi, Y.*** Modeling Secondary Organic Aerosol Tracers and Tracer-to-SOA Ratios for Monoterpenes and Sesquiterpenes Using a Chemical Transport Model	Environ. Sci. Technol. **2022**, 56, 804-813. https://doi.org/10.1021/acs.est.1c06373
#196 *	Wang, Y., Ma, Y. G., Kuang, B., Lin, P., Liang, Y., Huang, C., **Yu, J. Z.*** Abundance of Organosulfates Derived from Biogenic Volatile Organic Compounds: Seasonal and Spatial Contrasts at Four Sites in China	Sci. Tot. Environ. **2022**, 809, 151275. https://doi.org/10.1016/j.scitotenv.2021.151275
#195 *	Zhuang, M., **Ma, Y. G.***, Cheng, Y., Zhou, M., Dai, H., Huang, C., **Yu, J. Z.**, Zhu, S. H., Qiao, L., **Tong, Z.*** Characteristics of Nitroaromatic Compounds in $PM_{2.5}$ in Urban Area of Shanghai	Environ. Sci. **2022**, 43, 1725-1737. https://doi.org/10.13227/j.hjkx.202106215
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#194 *	**Yu, J. Z.*** An Interfacial Role for NO_2	Nature Chemistry **2021**, 13, 1158-1160. https://doi.org/10.1038/s41557-021-00845-5
#193	Zhang, K., Yang, L., Li, Q., Zhang, D., Xu, W., Feng, J., Wang, Q. Q., Wang, W., Huang, L., Yaluk, E. A., Wang, Y., **Yu, J. Z.**, **Li, L.*** Hourly Measurement of $PM_{2.5}$-bound Nonpolar Organic Compounds in Shanghai: Characteristics, Sources and Health Risk Assessment	Sci. Tot. Environ. **2021**, 789, 148070. https://doi.org/10.1016/j.scitotenv.2021.148070
#192 *	Huang, D. D., Zhu, S. H., An, J. Y., Wang, Q. Q., Qiao, L. P., Zhou, M., He, X., Ma, Y. G., Sun, Y. L., Huang, C., **Yu, J. Z.***, **Zhang, Q.*** Comparative Assessment of Cooking Emission Contributions to Urban Organic Aerosol using Online Molecular Tracers and Aerosol Mass Spectrometer Measurements	Environ. Sci. Technol. **2021**, 55, 14526-14535. https://doi.org/10.1021/acs.est.1c03280
#191	**Chan, W.***, Guo, W., **Yu, J. Z.** Polyurethane-Based Face Mask as a Sampling Device for Environmental Tobacco Smoke	Anal. Chem. **2021**, 93, 13912-13918. https://doi.org/10.1021/acs.analchem.1c02906
#190	Jing, L., Griffith, S. M., Sun, Z., **Yu, J. Z.**, **Chan, W.*** On the Flip Side of Mask Wearing: Increased Exposure to Volatile Organic Compounds and a Risk-Reducing Solution	Environ. Sci. Technol. **2021**, 55, 14095-14104. https://doi.org/10.1021/acs.est.1c04591
#189	Zhang, J., He, X., Gao, Y., Zhu, S., Jing, S., Wang, H., **Yu, J. Z.**, **Ying, Q.*** Estimation of Aromatic Secondary Organic Aerosol Using a Molecular Tracer - A Chemical Transport Model Assessment	Environ. Sci. Technol. **2021**, 55, 12882-12892. https://doi.org/10.1021/acs.est.1c03670
#188 *	Wang, Q. Q., Yu, J. Z.* Ambient Measurements of Heterogeneous Ozone Oxidation Rates of Oleic, Elaidic, and Linoleic Acid Using a Relative Rate Constant Approach in an Urban Environment	Geophys. Res. Lett. **2021**, e2021GL095130. https://doi.org/10.1029/2021GL095130

Seq#	Authors |Title	Source
#187 *	Wong, Y. K., Huang, X. H. H., Cheng, Y. Y., **Yu, J. Z.*** Estimating Primary Vehicular Emission Contributions to $PM_{2.5}$ using the Chemical Mass Balance Model: Accounting for Gas-Particle Partitioning of Organic Aerosols and Oxidation Degradation of Hopanes	Environ. Pollut. **2021**, 291, 118131. https://doi.org/10.1016/j.envpol.2021.118131
#186 *	Yu, X., Li, Q. F., Ge, Y., Li, Y., Liao, K., Huang, X. H. H., Li, J., **Yu, J. Z.*** Simultaneous Determination of Aerosol Inorganic and Organic Nitrogen by Thermal Evolution and Chemiluminescence Detection	Environ. Sci. Technol. **2021**, 55, 11579-11589. https://pubs.acs.org/doi/10.1021/acs.est.1c04876
#185 *	Wang, Y. C., **Tong, R. B.***, **Yu, J. Z.*** Chemical Synthesis of Multifunctional Air Pollutants: Terpene-Derived Nitrooxy Organosulfates	Environ. Sci. Technol. **2021**, 55, 8573-8582. https://pubs.acs.org/doi/full/10.1021/acs.est.1c00348
#184 *	Li, Y., **Fu, T. M.***, **Yu, J. Z.***, Feng, X., Zhang, L., Chen, J., Boreddy, S. K. R, Kawamura, K., Fu, P. Q., Yang, X., Zhu, L., Zeng, Z. Z. Impacts of Chemical Degradation on the Global Budget of Atmospheric Levoglucosan and Its Use as a Biomass Burning	Environ. Sci. Technol. **2021**, 55, 5525-5536. https://pubs.acs.org/doi/abs/10.1021/acs.est.0c07313
#183 *	**Chan. W.***, Jin, L., Sun, Z. H., **Griffith, S. M.***, **Yu, J. Z.*** Fabric Masks as a Personal Dosimeter for Quantifying Exposure to Airborne Polycyclic Aromatic Hydrocarbons	Environ. Sci. Technol. **2021**, 55, 5128-5135. https://pubs.acs.org/doi/10.1021/acs.est.0c08327
#182 *	Lin, M. F., **Yu, J. Z.*** Assessment of Oxidative Potential by Hydrophilic and Hydrophobic Fractions of Water-soluble $PM_{2.5}$ and Their Mixture Effects	Environ. Pollut. **2021**, 275, 116616. https://doi.org/10.1016/j.envpol.2021.116616
#181 *	Liao, K. Z., Park, E. S., Zhang, J., Cheng, L. J., Ji, D. S., **Ying, Q.***, **Yu, J. Z.*** A Multiple Linear Regression Model with Multiplicative Log-normal Error Term for Atmospheric Concentration Data	Sci. Tot. Environ. **2021**, 767, 144282. https://doi.org/10.1016/j.scitotenv.2020.144282
#180 *	Zhu, S. H., Wang, Q. Q., Qiao, L. P., Zhou, M., Wang S., Lou, S. R., Huang, D. D., Wang, Q., Jing, S. G., Wang, H. L., Chen, C. H., **Huang, C.***, **Yu, J. Z.*** Tracer-based Characterization of Source Variations of $PM_{2.5}$ and Organic Carbon in Shanghai Influenced by the COVID-19 Lockdown	Faraday Diss. **2021**, 226, 112 - 137 http://doi.org/10.1039/D0FD00091D
#179	Chen, W. Y., Chen, Y. A., Huang, Y. Q., Lu, X. C., **Yu, J. Z.**, **Fung, J. C. H**.*, Louie, P. K. K., Tam, F. C. V., Yue, D. L., Lau, A. K. H., Zhong, L. J. Source Apportionment of Fine Secondary Inorganic Aerosol over the Pearl River Delta Region Using a Hybrid Method	Atmos. Pollut. Res. **2021**, 12, 101061. https://doi.org/10.1016/j.apr.2021.101061
#178	Liao, H. T., Lee, C. L., Tsai, W. C., **Yu, J. Z.**, Tsai, S. W., Chou, C. C., **Wu, C. F.*** Source Apportionment of Urban $PM_{2.5}$ Using Positive Matrix Factorization with Vertically Distributed Measurements of Trace Elements and Nonpolar Organic Compounds	Atmos. Pollut. Res. **2021**, 12, 200-207. https://doi.org/10.1016/j.apr.2021.03.007
#177	Wang, Y., **Zhao, Y.***, Wang, Y, C., **Yu J. Z.**, Shao J. Y., Liu, P., Zhu, W. F., Cheng, Z., Li, Z. Y., Yan, N.Q., Xiao, H. Y. Organosulfates in Atmospheric Aerosols in Shanghai, China: Seasonal and Interannual Variability, Origin, and Formation Mechanisms	Atmos. Chem. Phys. **2021**, 21, 2959-2980. https://doi.org/10.5194/acp-21-2959-2021
#176	Lee, H. M., Lee, S. P., Li, Y., **Yu, J.Z.**, Kim, J. Y., Kim, Y. P., **Lee, J. Y.*** Characterization of Seasonal Difference of HULIS-C Sources from Water Soluble $PM_{2.5}$ in Seoul, Korea: Probing Secondary Processes	Aerosol Air Qual. Res. **2021,** 21, 200233. https://doi.org/10.4209/aaqr.2020.05.0233

Seq#	Authors |Title	Source
	2020	
#175 *	Wang, Y. J., **Hu, M.***, Wang, Y. C., Li, X., Fang, X., Tang, R. Z., Lu, S. H., Wu, Y. S., Guo, S., Wu, Z. J., Hallquist, M., **Yu, J. Z.*** Comparative Study of Particulate Organosulfates in Contrasting Atmospheric Environments: Field Evidence for the Significant Influence of Anthropogenic Sulfate and NOx	Environ. Sci. Technol. Lett. **2020**, 7, 787-794. https://pubs.acs.org/doi/10.1021/acs.estlett.0c00550
#174 *	Li, R., Wang, Q., He, X., Zhu, S., Zhang, K., Duan, Y., Fu, Q., Qiao, L., Wang, Y., Huang, L., **Li, L.***, **Yu, J. Z.*** Source Apportionment of $PM_{2.5}$ in Shanghai Based on Hourly Molecular Organic Markers and Other Source Tracers	Atmos. Chem. Phys. **2020**, 20, 12047–12061. https://doi.org/10.5194/acp-20-12047-2020
#173 *	Cheng, Y. Y., **Yu, J. Z.*** Minimizing Contamination from Plastic Labware in the Quantification of C16 and C18 Fatty Acids in Filter Samples of Atmospheric Particulate Matter and Their Utility in Apportioning Cooking Source Contribution to Urban $PM_{2.5}$	Atmosphere **2020**, 11, 1120. https://www.mdpi.com/2073-4433/11/10/1120
#172 *	Wang, Q. Q., He, X., Zhou, M., Huang, D. D., Qiao, L. P., Zhu, S. H., Ma, Y. G., Wang, H. L., Li, L., **Huang, C.***, Huang, X. H. H., Xu, W., Worsnop, D. R., Goldstein, A. H., Guo, H., **Yu, J. Z.*** Hourly Measurements of Organic Molecular Markers in Urban Shanghai, China: Primary Organic Aerosol Source Identification and Observation of Cooking Aerosol Aging	ACS Earth Space Chem. **2020**, 4, 1670-1685. https://pubs.acs.org/doi/10.1021/acsearthspacechem.0c00205
#171 *	Wong, Y. K., Huang, X. H. H., Louie, P. K. K., Yu, A. L. C., Chan, D. H. L., and **Yu, J. Z.*** Tracking Separate Contributions of Diesel and Gasoline Vehicles to Roadside $PM_{2.5}$ Through Online Monitoring of Volatile Organic Compounds, $PM_{2.5}$ Organic and Elemental Carbon: A Six-Year Study in Hong Kong	Atmos. Chem. Phys. **2020**, 20, 9871–9882. https://doi.org/10.5194/acp-20-9871-2020
#170 *	He, X., Wang, Q. Q., Huang, X. H. H., Huang, D. D., Zhou, M., Qiao, L. P., Zhu, S. H., Ma, Y. G., Wang, H. L., Li, L., **Huang, C.***, Xu, W., Worsnop, D. R., Goldstein, A. H., **Yu, J. Z.*** Hourly Measurements of Organic Molecular Markers in Urban Shanghai, China: Observation of Enhanced Formation of Secondary Organic Aerosol during Particulate Matter Episodic Periods	Atmos. Environ. **2020**, 240, 117807. https://doi.org/10.1016/j.atmosenv.2020.117807
#169 *	Liao, K. Z., **Yu, J. Z.*** Abundance and Sources of Benzo[a]pyrene and Other PAHs in Ambient Air in Hong Kong: A Review of 20-Year Measurements (1997 to 2016)	Chemosphere **2020,** 259, 127518. https://doi.org/10.1016/j.chemosphere.2020.127518
#168 *	**Zhou, Y.***, Zhang, Y. J., Griffith, S. M., Wu, G. R., Li, L., Zhao, Y. H., Li, M., Zhou, Z., **Yu, J. Z.*** Field Evidence of Fe-Mediated Photochemical Degradation of Oxalate and Subsequent Sulfate Formation Observed by Single Particle Mass Spectrometry	Environ. Sci. Technol. **2020**, 54, 6562-6574. https://doi.org/10.1021/acs.est.0c00443
#167 *	Lin, M. F., **Yu, J. Z.*** Assessment of Interactions between Transition Metals and Atmospheric Organics: Ascorbic Acid Depletion and Hydroxyl Radical Formation in Organic-Metal Mixtures	Environ. Sci. Technol. **2020**, 54, 1431-1442. https://doi.org/10.1021/acs.est.9b07478
#166	Zhang, Y. L., Zhang, R. X., **Yu, J. Z.,** Zhang, Z., Yang, W. Q., Zhang, H. N., Lyu, S. J., Wang, Y. S., Dai, W., **Wang, Y. H.***, **Wang, X. M.*** Isoprene Mixing Ratios Measured at Twenty Sites in China During 2012–2014: Comparison With Model Simulation	J. Geophys. Res. Atmospheres **2020**, 125, e2020JD033523. https://doi.org/10.1029/2020JD033523

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#165	Xu, R. S., Ge, Y., Kwong, K. C., Poon, H. Y., Wilson, K., **Yu, J. Z.**, **Chan, M. N.*** Inorganic Sulfur Species Formed upon Heterogeneous OH Oxidation of Organosulfates: A Case Study of Methyl Sulfate	ACS Earth Space Chem. **2020,** 4, 2041-2049. https://pubs.acs.org/doi/abs/10.1021/acsearthspacechem.0c00209
#164	Yu, X., Li, D., Li, D., Zhang, G., Zhou, H., Li, S., Song, W., Zhang, Y., Bi, X., **Yu, J. Z.**, **Wang, X. M.*** Enhanced Wet Deposition of Water-Soluble Organic Nitrogen During the Harvest Season: Influence of Biomass Burning and In-Cloud Scavenging	J. Geophys. Res. Atmospheres **2020**, 125, e2019JD030983. https://doi.org/10.1029/2020JD032699
#163	Lee, J. S., Kim, E. S., Kim, K. A., **Yu, J. Z.**, Kim, Y. P., Jung, C. H., **Lee, J. Y.*** Temporal Variations and Characteristics of the Carbonaceous Species in $PM_{2.5}$ Measured at Anmyeon Island, a Background Site in Korea	Asian J. Atmos. Environ. **2020**, 14, 35-46. https://doi.org/10.5572/ajae.2020.14.1.035
#162	**Morrison, D.***, Li, J. J., Crawford, I., Che, W. W., Flynn, M., Chan. M. N., Lau, A. K. H., Fung, J. C. H., Topping, D., **Yu, J. Z.**, Gallagher, M. The Observation and Characterisation of Fluorescent Bioaerosols Using Real-Time UV-LIF Spectrometry in Hong Kong from June to November 2018	Atmosphere **2020**, 11, 944. https://www.mdpi.com/2073-4433/11/9/944
#161	Wan, Y. B., Huang, X. P., Jiang, B., Kuang, B. Y., Lin, M. F., Xia, D. M., Liao, Y. H., Chen, J. W., **Yu, J. Z.**, and **Yu, H.*** Probing Key Organic Substances Driving New Particle Growth Initiated by Iodine Nucleation in Coastal Atmosphere	Atmos. Chem. Phys. **2020**, 20, 9821-9835. https://doi.org/10.5194/acp-20-9821-2020
#160	Ma, Y. Q., Cheng, Y. B., Gao, C., **Yu, J. Z.**, **Hu, D.*** Speciation of Carboxylic Components in Humic-Like Substances (HULIS) and Source Apportionment of HULIS in Ambient Fine Aerosols ($PM_{2.5}$) Collected in Hong Kong	Environ. Sci. Pollut. Res. **2020,** 27, 23172-23180. https://doi.org/10.1007/s11356-020-08915-w
#159	Sun, J. Y., **Wu, C.***, **Wu, D.***, Cheng, C., Li, M., Li, L., Deng, T., **Yu, J. Z.**, Li, Y. J., Zhou, Q., Liang, Y., Sun, T., Song, L., Cheng, P., Yang, W., Pei, C., Chen, Y., Cen, Y., Nian, H. **Zhou, Z.*** Amplification of Black Carbon Light Absorption Induced by Atmospheric Aging: Temporal Variation at Seasonal and Diel Scales in Urban Guangzhou	Atmos. Chem. Phys. **2020**, 20, 2445-2470. https://www.atmos-chem-phys.net/20/2445/2020/
#158	Yu, X., Pan, Y. P., Song, W., Li, S., Li, D., Zhu, M., Zhou, H. S., Zhang, Y. L., Li, D. J., **Yu, J. Z.**, Wang, X. M., **Wang, X. M**.* Wet and Dry Nitrogen Depositions in the Pearl River Delta, South China: Observations at Three Typical Sites with an Emphasis on Water-Soluble Organic Nitrogen.	J. Geophys. Res. Atmospheres **2020**, 125, e2019JD030983. https://doi.org/10.1029/2019JD030983
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#157 *	Xue, J., Yu, X., Yuan, Z. B., Griffith, S. M., Lau, A. K. H., **Seinfeld, J. H.***, **Yu, J. Z.*** Efficient Control of Atmospheric Sulfate Production Based on Three Formation Regimes	Nature Geosci. **2019**, 12, 977-982. https://doi.org/10.1038/s41561-019-0485-5
#156 *	Wang, Y. C., Ma, Y. G., Li, X. J., Kuang, B. Y., Huang, C., **Tong, R. B.***, **Yu, J. Z.*** Monoterpene and Sesquiterpene α-Hydroxy Organosulfates: Synthesis, MS/MS Characteristics, and Ambient Presence	Environ. Sci. Technol. **2019**, 53, 12278-12290. https://pubs.acs.org/doi/10.1021/acs.est.9b04703
#155 *	Lin, M. F., **Yu, J. Z.*** Effect of Metal-organic Interactions on the Oxidative Potential of Mixtures of Atmospheric Humic-Like Substances and Copper/Manganese as Investigated by the Dithiothreitol Assay	Sci. Tot. Environ. **2019**, 697, 134012. https://doi.org/10.1016/j.scitotenv.2019.134012

Seq#	Authors |Title	Source
#154 *	Wang, Y. J., **Hu, M.***, Wang, Y. C., Zheng, J., Shang, D. J., Yang, Y. D., Liu, Y., Li, X., Tang, R. Z., Zhu, W. F., Du, Z. F., Wu, W. S., Guo, S., Wu, Z. J., Lou. S. R., Hallquist, M., **Yu, J. Z.*** The Formation of Nitro-aromatic Compounds under High NO_x and Anthropogenic VOC Conditions in Urban Beijing, China	Atmos. Chem. Phys. **2019**, 19, 7649-7665. https://www.atmos-chem-phys.net/19/7649/2019/
#153 *	Li, J. J., Liu, Q. Y., **Li, Y. J.***, Liu, T. Y., Huang D. D., Zheng, J., Zhu, W. F., Hu, M., Wu, Y. S., Lou, S. R., Hallquist, A. M., Hallquist, M., Chan, C. K., Canonaco, F., Prévôt, A. S. H., Fung, J. C. H., Lau, A. K. H., **Yu, J. Z.*** Characterization of Aerosol Aging Potentials at Suburban Sites in Northern and Southern China Utilizing a Potential Aerosol Mass (Go:PAM) Reactor and Aerosol Mass Spectrometer	J. Geophys. Res. Atmospheres **2019**, 124 (10), 5629-5649. http://dx.doi.org/10.1029/2018JD029904
#152 *	Lin, M. F., **Yu, J. Z.*** Dithiothreitol (DTT) Concentration Effect and Its Implications on the Applicability of DTT Assay to Evaluate the Oxidative Potential of Atmospheric Aerosol Samples	Environ. Pollut. **2019**, 938-944. https://doi.org/10.1016/j.envpol.2019.05.074
#151 *	Wong, Y. K., Huang, X. H. H., **Yu, J. Z.*** Incorporating Hopane Degradation into Chemical Mass Balance Model: Improving Accuracy of Vehicular Source Contribution Estimation	Atmos. Environ. **2019**, 210, 211-219. https://doi.org/10.1016/j.atmosenv.2019.04.055
#150 *	Wong, Y. K., Huang, X. H. H., Cheng, Y. Y., Louie, P. K. K., Yu, A. L. C., Tang, A.W.Y., Chan, D. H. L., **Yu, J. Z.*** Estimating Contributions of Vehicular Emissions to $PM_{2.5}$ in a Roadside Environment: A Multiple Approach Study	Sci. Tot. Environ. **2019**, 672, 776-788. https://www.sciencedirect.com/science/article/pii/S0048969719314792
#149 *	**Wu, C.***, Wu, D., **Yu, J. Z.*** Estimation and Uncertainty Analysis of Secondary Organic Carbon Using 1 Year of Hourly Organic and Elemental Carbon Data	J. Geophys. Res. Atmospheres **2019**, 124, 2774-2795. https://doi.org/10.1029/2018JD029290
#148 *	Wang, Q. Q., **Huang, X. H. H.***, Tam, F. C. V., Zhang, X. X., Liu, K. M., Yeung, C., Feng, Y. M., Cheng, Y. Y., Wong, Y. K., Ng, W. M., Wu, C., Zhang, Q. Y., Zhang, T., Lau, N. T., Yuan, Z. B., Lau, A. K. H., **Yu, J. Z.*** Source Apportionment of Fine Particulate Matter in Macao, China with and without Organic Tracers: A Comparative Study using Positive Matrix Factorization	Atmos. Environ. **2019**, 198, 183-193. https://doi.org/10.1016/j.atmosenv.2018.10.057
#147	Yao, M., **Zhao, Y.***, Hu, M. Q., Huang, D. D., Wang, Y. C., **Yu, J. Z.**, Yan, N. Q. Multiphase Reactions between Secondary Organic Aerosol and Sulfur Dioxide: Kinetics and Contributions to Sulfate Formation and Aerosol Aging	Environ. Sci. Technol. Lett. **2019**, 6, 768-774. https://doi.org/10.1021/acs.estlett.9b00657
#146	Wang, S., Zhou, S., Tao, Y., Tsui, W. G., Ye, J., **Yu, J. Z.**, Murphy, J. G., McNeill, V. F., Abbatt, J., **Chan, A.W.*** Organic Peroxides and Sulfur Dioxide in Aerosol: Source of Particulate Sulfate	Environ. Sci. Technol. **2019**, 53, 10695-10704. https://pubs.acs.org/doi/full/10.1021/acs.est.9b02591
#145	Brüggemann, M., von Pinxteren, D., Wang, Y. C., **Yu, J. Z.**, Herrmann, H. Quantification of Known and Unknown Terpenoid Organosulfates in PM_{10} using Untargeted LC–HRMS/MS: Contrasting Summertime Rural Germany and the North China Plain	Environ. Chem. **2019**, 16, 333-346. https://doi.org/10.1071/EN19089
#144	Ma, Y. Q., Cheng, Y. B., Qiu, X. H., Cao, G., Kuang, B. Y., **Yu, J. Z.**, **Hu, D.*** Optical Properties, Source Apportionment and Redox Activity of Humic-Like Substances (HULIS) in Airborne Fine Particulates in Hong Kong	Environ. Pollut. **2019**, 255, 113087. https://doi.org/10.1016/j.envpol.2019.113087

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#142	Chen, S., Li, D. C., Zhang, H. Y., Yu, D. K., Chen, R., Zhang, B., Tan, Y. F., Niu, Y., Duan, H. W., Mai, B. X., Chen, S. J., **Yu, J. Z.**, Luan, T. G., Chen, L. P., Xing, X. M., Li, Q., Xiao, Y. M., Dong, G. H., Niu, Y. J., Aschner, M., Zhang, R., Zheng, Y. X., **Chen, W.*** The Development of a Cell-Based Model for the Assessment of Carcinogenic Potential upon Long-Term $PM_{2.5}$ Exposure	Environ. Int. **2019,** 131, 104943. https://doi.org/10.1016/j.envint.2019.104943
#141	Liu, M. X., Huang, X., **Song, Y.***, Tang, J., Cao, J. J., Zhang, X. Y., Zhang, Q., Wang, S. X., Xu, T. T., Kang, L. Cai, X. H., Zhang, H. S., Yang, F. M., Wang, H. B., **Yu, J. Z.**, Lau, A. K. H., He, L. Y., Huang, X. F., Duan, L., Ding, A. J., Xue, L. K., Gao, J., Li, B., **Zhu, T.*** Ammonia Emission Control in China would Mitigate Haze Pollution and Nitrogen Deposition, but Worsen Acid Rain	PNAS **2019**, p201814880 https://doi.org/10.1073/pnas.1814880116
#140	Li, D. C., Zhang, R., Cui, L. H., Chu, C., Zhang, H. Y., Sun, H., Luo, J., Zhou, L. X., Chen, L. P., Cui, J., Chen, S., Mai, B. X., Chen, S. J., **Yu, J. Z.**, Cai, Z. W., Zhang, J. Q., Jiang, Y. S., Aschner, M., Chen, R., Zheng, Y. X., **Chen, W.*** Multiple Organ Injury in Male C57BL/6J Mice Exposed to Ambient Particulate Matter in a Real-Ambient PM Exposure System in Shijiazhuang, China	Environ. Pollut. **2019**, 248, 874-887 https://doi.org/10.1016/j.envpol.2019.02.097
#139	Feng, B. H., Song, X. M., Dan, M., Yu, J., Wang, Q. Q., Shu, M. S., Xu, H. B., Wang, T., Chen, J., Zhang, Y., Zhao, Q., Wu, R. S., Liu, S., **Yu, J. Z.**, Wang, T., **Huang, W.*** High Level of Source-Specific Particulate Matter Air Pollution Associated with Cardiac Arrhythmias	Sci. Tot. Environ. **2019**, 657, 1285-1293 https://doi.org/10.1016/j.scitotenv.2018.12.178
#138	Liu, B., He, M. M., Wu, C., Li, J., Li, Y., Lau, N. T., **Yu, J. Z.**, Lau, A. K. H., Fung, J. C. H., Hoi, K. I., Mok, K. M., Chan, C. K., **Li, Y. J.*** Potential Exposure to Fine Particulate Matter ($PM_{2.5}$) and Black Carbon on Jogging Trails in Macau	Atmos. Environ. **2019**, 198, 23-33 https://doi.org/10.1016/j.atmosenv.2018.10.024
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#137 *	Kuang, B. Y., Yeung, H. S., Lee, C. C., Griffith, S. G., **Yu, J. Z.*** Aromatic Formulas in Ambient $PM_{2.5}$ Samples from Hong Kong Determined using FT-ICR Ultrahigh Resolution Mass Spectrometry	Anal. Bioanaly. Chem. **2018**, 410, 6289-6304. https://doi.org/10.1007/s00216-018-1239-8
#136 *	Wang, Y. J., **Hu, M.***, Guo, S., Wang, Y. C., Zheng, J., Yang, Y. D., Zhu, W. F., Tang, R. Z., Li, X., Liu, Y., Le Breton, M., Du, Z. F., Shang, D. J., Wu, Y. S., Wu, Z. J., Song, Y., Lou, S. R., Hallquist, M., Yu, J. Z. The Secondary Formation of Organosulfates under the Interactions between Biogenic Emissions and Anthropogenic Pollutants in Summer of Beijing	Atmos. Chem. Phys. **2018**, 18, 10693-10713 https://www.atmos-chem-phys.net/18/10693/2018/
#135 *	Wang, Q. Q., **Qiao, L. P.***, Zhou, M., Zhu, S. H., Griffith, S. M., **Li, L.***, **Yu, J. Z.*** Source Apportionment of $PM_{2.5}$ Using Hourly Measurements of Elemental Tracers and Major Constituents in an Urban Environment: Investigation of Time-Resolution Influence	J. Geophys. Res. Atmospheres **2018,** 123 (10), 5284-5300. https://doi.org/10.1029/2017JD027877
#134 *	**Wu, C.***, **Yu, J. Z.*** Evaluation of Linear Regression Techniques for Atmospheric Applications: The Importance of Appropriate Weighting	Atmos. Meas. Tech. **2018,** 11, 1233-1250. https://doi.org/10.5194/amt-11-1233-2018

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#133 *	He, X., Huang, X. H. H., Chow, K. S., Zhang, T., Wu, D., **Yu, J. Z.*** Abundance and Sources of Phthalic Acids, Benzene Tricarboxylic Acids and Phenolic Acids in $PM_{2.5}$ at Urban and Suburban Sites in Southern China.	ACS Earth Space Chem. **2018**, 2, 147-158. http://pubs.acs.org/doi/10.1021/acsearthspacechem.7b00131
#132 *	**Wu, C.***, Wu, D., **Yu, J. Z.*** Quantifying Black Carbon Light Absorption Enhancement with a Novel Statistical Approach	Atmos. Chem. Phys. **2018**, 18, 289-309 https://doi.org/10.5194/acp-18-289-2018
#131	Li, L., An, J., Zhou, M., **Qiao, L.***, Zhu, S., Yan, R., Ooi, C. G., Wang, H., Huang, C., Huang, L., Tao, S., **Yu, J. Z.**, **Chan, A.***, Wang, Y. J, Feng, J. L., Chen, C. H. An Integrated Source Apportionment Methodology and Its Application over the Yangtze River Delta Region, China	Environ. Sci. Technol. **2018**, 52, 14216-14227 https://doi.org/10.1021/acs.est.8b01211
#130	**Le Breton, M.***, Wang, Y., Hallquist, Å. M., Pathak, R. K., Zheng, J., Yang, Y., Shang, D., Glasius, M., Bannan, T. J., Liu, Q., Chan, C. K., Percival, C. J., Zhu, W., Lou, S., Topping, D., Wang, Y., **Yu, J. Z.**, Lu, K., Guo, S., Hu, M., Hallquist, M. Online Gas- and Particle-Phase Measurements of Organosulfates, Organosulfonates and Nitrooxy Organosulfates in Beijing utilizing a FIGAERO ToF-CIMS	Atmos. Chem. Phys. **2018**, 18, 10355-10371. https://www.atmos-chem-phys.net/18/10355/2018/
#129	Zhang, X. X., **Yuan, Z.***, Li, W. S., Lau, A. K. H., **Yu, J. Z.**, Fung, J. C. H., Zheng, J. Y., Yu, A. L. C. Eighteen-Year Trends of Local and Non-local Impacts to Ambient PM_{10} in Hong Kong Based on Chemical Speciation and Source Apportionment	Atmos. Res. **2018,** 214, 1-9 https://doi.org/10.1016/j.atmosres.2018.07.004
#128	Ma, Y., Cheng, Y., **Qiu, X.***, Cao, G., Fang, Y., Wang, J., Zhu, T., **Yu, J. Z.**, **Hu, D.*** Sources and Oxidative Potential of Water-Soluble Humic-Like Substances ($HULIS_{WS}$) in Fine Particulate Matter ($PM_{2.5}$) in Beijing	Atmos. Chem. Phys. **2018**, 18(8), 5607-5617. https://doi.org/10.5194/acp-18-5607-2018
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#127 *	Wang, Q. Q., He, X., Huang, X. H. H., Griffith, S. M., Feng, Y. M., Zhang, T., Zhang, Q. Y., Wu, D., **Yu, J. Z.*** Impact of Secondary Organic Aerosol Tracers on Tracer-based Source Apportionment of Organic Carbon and $PM_{2.5}$: A Case Study in the Pearl River Delta, China	ACS Earth Space Chem. **2017,** 1, 562-571. http://pubs.acs.org/doi/pdf/10.1021/acsearthspacechem.7b00088
#126 *	Wang, N. J., **Yu, J. Z.*** Size Distributions of Hydrophilic and Hydrophobic Fractions of Water-Soluble Organic Carbon in an Urban Atmosphere in Hong Kong	Atmos. Environ. **2017**, 166, 110-119 https://doi.org/10.1016/j.atmosenv.2017.07.009
#125 *	Wang, Y. C., Ren, J. Y, Huang, X. H. H., **Tong, R. B.***, **Yu, J. Z.*** Synthesis of Four Monoterpene-derived Organosulfates and their Quantification in Atmospheric Aerosol Samples	Environ. Sci. Technol. 2017, 51 (12), 6791–6801 https://doi.org/10.1021/acs.est.7b01179
#124 *	Li, Y. G., Huang, X. H. H., Griffith, S. M., Wu, C., Lau, A. K. H., **Yu, J. Z.*** Quantifying the Relationship between Visibility Degradation and $PM_{2.5}$ Constituents at a Suburban Site in Hong Kong: Differentiating Contributions from Hydrophilic and Hydrophobic Organic Compounds	Sci. Tot. Environ. **2017,** 575, 1571-1581. http://dx.doi.org/10.1016/j.scitotenv.2016.10.082
#123	**Nie, W.***, Hong, J., Häme, S. A. K., **Ding, A.***, Li, Y., Yan, C., Hao, L., Mikkilä, J., Zheng, L., Xie, Y., Zhu, C., Xu, Z., Chi, X., Huang, X., Zhou, Y., Lin, P., Virtanen, A., Worsnop, D. R., Kulmala, M., Ehn, M., **Yu, J. Z.**, Kerminen, V.-M., Petäjä, T. Volatility of Mixed Atmospheric Humic-Like Substances and Ammonium Sulfate Particles	Atmos. Chem. Phys. **2017**, 17, 3659-3672. http://www.atmos-chem-phys.net/17/3659/2017

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#122 *	Wang, Q. Q., Feng, Y. M., Huang, X. H. H., Griffith, S. M., Zhang, T., Zhang, Q. Y., Wu, D., **Yu, J. Z.*** Nonpolar Organic Compounds as $PM_{2.5}$ Source Tracers: Investigation of Their Sources and Degradation in the Pearl River Delta, China	J. Geophys. Res. Atmospheres **2016**, 121, 11,862 -11,879, https://doi.org/10.1002/2016JD025315
#121 *	Jiang, B., Kuang, B. Y., **Liang, Y. M.***, Zhang, J. Y., Huang, X. H. H., Xu, C. M., **Yu, J. Z.***, **Shi, Q.*** Molecular Composition of Urban Organic Aerosols on Clear and Hazy days in Beijing: A Comparative Study using FT-ICR MS	Environ. Chem. **2016**. 13, 888-901 https://www.publish.csiro.au/EN/EN15230
#120 *	Zhou, Y., Huang, X. H. H., Griffith, S. M., **Li, M.***, Li, L., Zhou, Z., Wu, C., Meng, J., Chan, C. K., Louie, P. K. K., **Yu, J. Z.*** A Field Measurement Based Scaling Approach for Quantification of Major Ions, Organic Carbon, and Elemental Carbon Using a Single Particle Aerosol Mass Spectrometer	Atmos. Environ. **2016**, 143, 300-312 http://dx.doi.org/10.1016/j.atmosenv.2016.08.054
#119 *	Wu, C., Huang, X. H. H., Ng, W. M., Griffith, S. M., **Yu, J. Z.*** Inter-Comparison of NIOSH and IMPROVE Protocols for OC and EC Determination: Implications for Inter-Protocol Data Conversion	Atmos. Meas. Tech. **2016,** 9, 4547-4560 http://www.atmos-meas-tech.net/9/4547/2016
#118 *	Xue, J., Yuan, Z., Griffith, S. M., Yu, X., Lau, A. K. H., **Yu, J. Z.*** Sulfate Formation Enhanced by a Cocktail of High NO_x, SO_2, Particulate Matter, and Droplet pH during Haze-Fog Events in Megacities in China: An Observation-Based Modeling Investigation	Environ. Sci. Technol. **2016**, 50, 7325-7334 http://pubs.acs.org/doi/abs/10.1021/acs.est.6b00768
#117 *	Chow, K. S., **Huang, X. H. H.***, **Yu, J. Z.*** Quantification of Nitroaromatic Compounds in Atmospheric Fine Particulate Matter in Hong Kong over Three Years: Field Measurement Evidence for Secondary Formation derived from Biomass Burning Emissions	Environ. Chem. **2016**, 13, 665-673 https://doi.org/10.1071/EN15174
#116 *	Wu, C. and **J. Z. Yu*** Determination of Primary Combustion Source Organic Carbon-to-Elemental Carbon (OC/EC) Ratio using Ambient OC and EC Measurements: Secondary OC-EC Correlation Minimization Method	Atmos. Chem. Phys. **2016**, doi:10.5194/acp-2015-997 https://doi.org/10.5194/acp-16-5453-2016
#115 *	Kuang, B. Y., Lin, P., **Hu, M.***, **Yu, J. Z.*** Aerosol Size Distribution Characteristics of Organosulfates in the Pearl River Delta Region, China	Atmos. Environ. **2016**, 130, 23-35 http://dx.doi.org/10.1016/j.atmosenv.2015.09.024
#114	Zhao, M. F., Qiao, T., Li, Y. L., Tang, X. X., **Xiu, G. L.***, **Yu, J. Z.** Temporal Variations and Source Apportionment of Hulis-C in $PM_{2.5}$ in Urban Shanghai	Sci. Tot. Environ. **2016**, 571, 18-26 https://doi.org/10.1016/j.scitotenv.2016.07.127
#113	Cheung, H. H. Y., Tan, H., Xu, H., Li, F., Wu, C., **Yu, J. Z.**, **Chan, C. K.*** Measurements of Non-Volatile Aerosols with a VTDMA and Their Correlations with Carbonaceous Aerosols in Guangzhou, China	Atmos. Chem. Phys. **2016**, 16, 8431-8446 https://doi.org/10.5194/acp-16-8431-2016
#112	Liu, T., **Wang, X.***, Hu, Q., Deng, W., Zhang, Y., Ding, X., Fu, X., Bernard, F., Zhang, Z., Lv, S., He, Q., Bi, X., Chen, J., Sun, Y., **Yu, J. Z.**, Peng, P., Sheng, G., Fu, J. Formation of Secondary Aerosols from Gasoline Vehicle Exhaust when Mixing with SO_2	Atmos. Chem. Phys. **2016**, 16, 675-689 https://doi.org/10.5194/acp-16-675-2016

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#111 *	Griffith, S. M., Huang, X. H. H., Louie, P. K. K., **Yu, J. Z.*** Characterizing the Thermodynamic and Chemical Composition Factors Controlling $PM_{2.5}$ Nitrate: Insights Gained from Two Years of Online Measurements in Hong Kong	Atmos. Environ. **2015**, 122, 864-875 http://dx.doi.org/10.1016/j.atmosenv.2015.02.009
#110 *	Wang, Q. Q., Huang, X. H. H., Zhang, T., Zhang, Q., Feng, Y., Yuan, Z., Wu, D., Lau, A. K. H., **Yu, J. Z.*** Organic Tracer-based Source Analysis of $PM_{2.5}$ Organic and Elemental Carbon: A Case Study at Dongguan in the Pearl River Delta, China	Atmos. Environ. **2015**, 118, 164-175 https://doi.org/10.1016/j.atmosenv.2015.07.033
#109 *	Dou, J., Lin, P., Kuang, B. Y., **Yu, J. Z.*** Reactive Oxygen Species Production Mediated by Humic-like Substances in Atmospheric Aerosols: Enhancement Effects by Pyridine, Imidazole and Their Derivatives	Environ. Sci. Technol. **2015**, 49, 6457-6456 https://doi.org/10.1021/es5059378
#108 *	Zhou, Y., Huang, X. H. H., Bian, Q. J., Griffith, S. M., Louie, P. K. K., **Yu, J. Z.*** Sources and Atmospheric Processes Impacting Oxalate at a Suburban Coastal Site in Hong Kong: Insights Inferred from One-Year Hourly Measurements	J. Geophys. Res. Atmosphere **2015**, 120, 9772-9788 https://doi.org/10.1002/2015JD023531
#107 *	Kuang, B. Y., Lin, P., Huang, X. H. H., **Yu, J. Z.*** Sources of Humic-Like Substances in the Pearl River Delta, China: Positive Matrix Factorization Analysis of $PM_{2.5}$ Major Components and Source Markers	Atmos. Chem. Phys. **2015**, 15, 1995-2008 https://doi.org/10.5194/acp-15-1995-2015
#106	Qiao, T., Zhao, M. F., **Xiu, G. L.***, **Yu, J. Z**. Seasonal Variations of Water Soluble Composition (WSOC, Hulis and WSIIs) in PM_1 and Its Implications on Haze Pollution in Urban Shanghai, China	Atmos. Environ. **2015**, 123, 306-314 https://doi.org/10.1016/j.atmosenv.2015.03.010
#105	Liu, T., **Wang, X.***, Deng, W., Hu, Q., Ding, X., Zhang, Y., He, Q., Zhang, Z., Lv, S., Bi, X., Chen, J., **Yu, J. Z.** Secondary Organic Aerosol Formation from Photochemical Aging of Light-Duty Gasoline Vehicle Exhausts in a Smog Chamber	Atmos. Chem. Phys. **2015**, 15, 9049-9062 https://doi.org/10.5194/acp-15-9049-2015
#104	Lee, B. P., Li, Y. J., **Yu, J. Z.**, Louie, P. K. K., **Chan, C. K.*** Characteristics of Submicron Particulate Matter at the Urban Roadside in Downtown Hong Kong: Overview of 4 Months of Continuous High-Resolution Aerosol Mass Spectrometer Measurements	J. Geophys. Res. Atmospheres **2015**, 120, 7040-7058 https://doi.org/10.1002/2015JD023311
#103	Zhao, M. F., Huang, Z. S., Qiao, T., Zhang, Y. K., **Xiu, G. L.***, **Yu, J. Z.** Chemical Characterization, the Transport Pathways and Potential Sources of $PM_{2.5}$ in Shanghai: Seasonal Variations	Atmos. Res. **2015**, 158, 66-78 https://doi.org/10.1016/j.atmosres.2015.02.003
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#102 *	Xue, J., Griffith, S. M., Yu, X., Lau, A. K. H., **Yu, J. Z.*** Effect of Nitrate and Sulfate Relative Abundance in $PM_{2.5}$ on Liquid Water Content Explored Through Half-Hourly Observations of Inorganic Soluble Aerosols at a Polluted Receptor Site	Atmos. Environ. **2014**, 99, 24-31 https://doi.org/10.1016/j.atmosenv.2014.09.049
#101 *	Huang, X. H. H., Bian, Q. J., Louie, P. K. K., **Yu, J. Z.*** Contributions of Vehicular Carbonaceous Aerosols to $PM_{2.5}$ in a Roadside Environment in Hong Kong	Atmos. Chem. Phys. **2014**, 14, 9279-9293 https://doi.org/10.5194/acp-14-9279-2014

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#100 *	Bian, Q. J., Huang, X. H. H., **Yu, J. Z.*** One-year Observations of Size Distribution Characteristics of Major Aerosol Constituents at a Coastal Receptor Site in Hong Kong: I. Inorganic Ions and Oxalate	Atmos. Chem. Phys. **2014**, 14, 9013-9027 https://doi.org/10.5194/acp-14-9013-2014
#99 *	Xue, J., Yuan, Z., Lau, A. K. H., **Yu, J. Z.*** Insights into Factors Affecting Nitrate in $PM_{2.5}$ in a Polluted High NO_x Environment through Hourly Observations and Size Distribution Measurements	J. Geophys. Res. Atmospheres **2014**, 119 https://doi.org/10.1002/2013JD021108
#98 *	Huang, X. H. H., Bian, Q. J., Ng, W. M., Louie, P. K. K., **Yu, J. Z.*** Characterization of $PM_{2.5}$ Major Components and Source Investigation in Suburban Hong Kong: a One-Year Monitoring Study	Aerosol Air Qual. Res. **2014**, 14, 237-250 https://doi.org/10.4209/aaqr.2013.01.0020
#97	Xue, J., **Yuan, Z.***, **Yu, J. Z.**, Lau, A.K.H. An Observation-Based Model for Secondary Inorganic Aerosols	Aerosol Air Qual. Res. **2014**, 862-878 https://doi.org/10.4209/aaqr.2013.06.0188
#96	He, Q. F., **Ding, X.***, Wang, X. M., **Yu, J. Z.**, Fu, X. X., Liu, T. Y., Zhang, Z., Xue, J., Chen, D. H., Zhong, L. J., Donahue, N. M. Organosulfates from Pinene and Isoprene over the Pearl River Delta, South China-Seasonal Variation and Implication in Formation Mechanisms	Environ. Sci. Technol. **2014**, 48, 9236-9245 https://doi.org/10.1021/es501299v
#95	Yao, T., **Fung, J. C. H.***, Ma, H., Lau, A. K. H., Chan, P. W., **Yu, J. Z.**, Xue, J. Enhancement in Secondary Particulate Matter Production due to Mountain Trapping	Atmos. Res. **2014**. 147, 227-236 https://doi.org/10.1016/j.atmosres.2014.05.007
#94	**Wang, X.***, Liu, T., Bernard, F., Ding, X., Wen, S., Zhang, Y., Zhang, Z., He, Q., Lv, S., Chen, J., Saunders, J., **Yu, J. Z.** Design and Characterization of a Smog Chamber for Studying Gas-Phase Chemical Mechanisms and Aerosol Formation	Atmos. Meas. Tech. **2014**, 7, 301-313 https://doi.org/10.5194/amt-7-301-2014
#93	Guo, C., **Liu, H.***, **Yu, J. Z.**, Zhang, S., Wu, C. J. Role of Microzooplankton Grazing in Regulating Phytoplankton Biomass and Community Structure in Response to Atmospheric Aerosol Input	Mar Ecol Prog Ser. **2014**, 507, 69-79 https://doi.org/10.3354/meps10809
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#92 *	**Wu, D.***, Wu, C., Liao, B., Chen, H., Wu, M., Li, F., Tan, H., Deng, T., Li, H., Jiang, D., **Yu, J. Z.*** Black Carbon over the South China Sea and in Various Continental Locations in South China	Atmos. Chem. Phys. **2013**, 13, 12257-12270 https://doi.org/10.5194/acp-13-12257-2013
#91 *	Wang, S., Wu, D., Wang, X., Fung, J. C. H., **Yu, J. Z.*** Relative Contributions of SOA Formation from Toluene, Xylenes, Isoprene and Monoterpenes in Hong Kong and Guangzhou in the Pearl River Delta, China: An Emission-Based Box Modeling Study	J. Geophys. Res. Atmospheres **2013**, 118, 507-519 https://doi.org/10.1029/2012JD017985
#90	**Li, Y. C.***, **Yu, J. Z.**, Ho, S. S. H., Schauer, J. J., Yuan, Z. B., Lau, A. K. H., Louie, P. K. K. Chemical Characteristics and Source Apportionment of Fine Particulate Organic Carbon in Hong Kong during High Particulate Matter Episodes in Winter 2003	Atmos. Res. **2013**, 120-121, 88-98 https://doi.org/10.1016/j.atmosres.2012.08.005

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